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Tonn

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(54) **DIGITAL ANTENNA GONIOMETER AND METHOD**

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(57) **ABSTRACT**

A digital goniometer and steering method are provided which may be used, in a preferred embodiment, for producing a figure-eight antenna reception pattern oriented at any selectable angle. The digital goniometer works with the signals from a pair of orthogonal antenna loops. In a presently preferred embodiment a first register and a second register are provided for a respective first variable gain amplifier and a second variable gain amplifier. The first and second registers receive from software a digital value related to a sine function and cosine function of the selectable angle. The first and second registers are utilized to set the gain of the first and second variable gain amplifiers. The outputs of the first and second variable gain amplifiers are added to produce the reception signal.

9 Claims, 2 Drawing Sheets

